WHAT IS CLAIMED IS:

1. A resin composite, comprising: a polymer compound which is an alternating copolymer of a saccharic compound and an aliphatic compound and has a three-dimensional network; and a plasticizer which is contained in the gap in the three-dimensional network of the polymer compound.

2. The resin composite according to claim 1, wherein the saccharic compound is at least one selected from the group consisting of glucose, oligosaccharide consisting of 2- to 6-mers of glucose and the derivatives thereof.

3. The resin composite according to claim 2, wherein the glucose, the oligosaccharide consisting of 2- to 6-mers of glucose and the derivatives thereof are obtained by decomposing paper.

4. The resin composite according to claim 2, wherein the glucose, the oligosaccharide consisting of 2- to 6-mers of glucose and the derivatives thereof are obtained by decomposing starch.

5. The resin composite according to claim 1, wherein the aliphatic compound is any one selected from the group consisting of aliphatic dicarboxylic acid,

aliphatic dicarboxylate ester, aliphatic dicarboxylic acid chloride and aliphatic diisocyanate.

6. The resin composite according to claim 1, wherein the plasticizer is at least one selected from the group consisting of silicone oil, modified silicone oil, polyalkylene glycol, paraffin and the derivatives of fatty acid.

7. The resin composite according to claim 6, wherein the derivatives of fatty acid are aliphatic dicarboxylic acids having the same acid radicals as those of the fatty acid moieties of the polymer compound, which is an alternating copolymer of the saccharic compound and the bi-functional aliphatic compound, or the esters thereof.

8. The resin composite according to claim 6, wherein the derivatives of fatty acid are obtained from food oil.

9. An article, comprising: a resin composite as a main body, wherein the resin composite is a polymer compound which is an alternating copolymer of a saccharic compound and an aliphatic compound and has a three-dimensional network; and a plasticizer which is contained in the gap in the three-dimensional network

of the polymer compound.

10. The article according to claim 9, wherein the article is a shock absorbing medium.

11. The article according to claim 9, wherein the article is a recording medium conveying roller.

12. A method of producing a resin composite, comprising the steps of:

providing a liquid containing a plasticizer; and

copolymerizing a saccharic compound and an aliphatic compound in the liquid.

13. The method of producing a resin composite according to claim 12, wherein the saccharic compound is at least one selected from the group consisting of glucose, oligosaccharide consisting of 2- to 6-mers of glucose and the derivatives thereof.

14. The method of producing a resin composite according to claim 13, wherein the glucose, the oligosaccharide consisting of 2- to 6-mers of glucose and the derivatives thereof are obtained by decomposing paper.

15. The method of producing a resin composite

according to claim 13, wherein the glucose, the oligosaccharide consisting of 2- to 6-mers of glucose and the derivatives thereof are obtained by decomposing starch.

16. The method of producing a resin composite according to claim 12, wherein the aliphatic compound is any one selected from the group consisting of aliphatic dicarboxylic acid, aliphatic dicarboxylate ester, aliphatic dicarboxylic acid chloride and aliphatic diisocyanate.

17. The method of producing a resin composite according to claim 12, wherein the plasticizer is at least one selected from the group consisting of silicone oil, modified silicone oil, polyalkylene glycol, paraffin and the derivatives of fatty acid.

18. The method of producing a resin composite according to claim 17, wherein the derivatives of fatty acid are aliphatic dicarboxylic acids having the same acid radicals as those of the fatty acid moieties of the polymer compound which is an alternating copolymer of the saccharic compound and the bi-functional aliphatic compound, or the esters thereof.

19. The method of producing a resin composite

according to claim 17, wherein the derivatives of fatty acid are obtained from food oil.